

Development Platforms

		Intended Market				Processor						OS Support						Video Output			I/O Connectors							Typical Kit Contents					
National ID Number	Availability	Thin Client	Consumer Access	Residential Gateway	Set-Top Box	SC1100	SC1200/1201	SC2200	SC3200	GX1 with 5530A	GX2 with 5535	MS Windows NT 4.0/NTe	MS Windows 2000	MS Windows XP/XPe	MS Windows CE 2.12	MS Windows CE 3.0	MS Windows CE.Net	Linux - Note 1	CRT	TFT	TV-Out	Audio Out Channels - Note 2	USB	PCI Slots	LPC Slots	SuperI/O on Board	Ethernet on Board	Power	Standard Documentation	5V to 3.3V PCI Card	TFT Interface Card	LPC Card with SuperI/O	PCI Ethernet Card
SP4SC40	May 2002	√	√	√	√	√								√			√	√	Note 6			2	3	4	1			ATX	√	√		√	√
SP1SC10	Now				√		√											√	√		√	2	2	2		1	1	ATX	√				
SP4SC30 (Note 7)	Now	√	√				√	√	√			√	√	√	√	√	√	√	√	√		2	3	2	1			ATX	√	√	√	√	√
Krill (Note 3)	May 2002				√		√										√	√	√		√	2	2	2	1		1	ATX	Kit Contents TBD				
SP4SC31 (Note 7)	May 2002	√	√				√	√	√					√			√	√	√	√	√	2	3	2	1			ATX	√	√	√	√	√
SP2SC20	Now	√	√					√						√	√	√	√			√		2	2				1		√				
SP4GX10	Now	√	√		√					√		√	√	√		√		√	√	√		2	2	2		1	1	ATX	√	√	√		
SP4GX22	July 2002	√	√								√		√	√			√	√	√	√		5	4	2/4	1			ATX	√	√	√	√	√
SP4GX23	CY02Q4	√	√								√		√	√			√	√	√	√		5	4	2/4	1			ATX	√				
SP2GX10	Now	√	√							√		√			√	√		√	√	√		2	2			1	1		√				

Processors

Processor	200 MHz	233 MHz	266 MHz	300 MHz	333 MHz
GX1/5530A	√	√	√	√	√
GX2/5535	√		√		√
SC1100		√	√	√	
SC1200 EBGA			√		
SC1200 PBGA			√		
SC1201 EBGA			√		
SC1201 PBGA			√		
SC2200 EBGA			√	√	
SC2200 PBGA		√	√		
SC3200 EBGA			√		
SC3200 PBGA		√	√		

x86 Architecture

The x86 architecture means Internet compatibility and fast time-to-market. With over 300 web plug-ins written to run exclusively on x86 processors, the Geode processor family provides a proven platform and web experience unattainable with non-x86 based architectures.

Notes:

1. SP4GX10 also supports Linux 2.12 and Linux 2.4 versions.
2. SP4SC40 and Krill are Line Audio I/O and mono microphone. All others are mono microphone and stereo headphone out. SP4GX22 has digital audio output with 5.1 output capability.
3. To be sourced by an outside vendor. Kit contents and order number to be determined.
4. For SP4SC31, video output is limited to one output at a time.
5. OS support typically includes BIOS and drivers for audio, display, UDMA, touch & button USB, Ethernet, IR and bootloader if required.
6. Kit includes VGA graphics card on PCI bus, in lieu of on-board graphics.
7. A mobile battery power kit is available for SP4SC30 and SC4SC31. Order number SP4SC30-Mobile

What National Offers

National has developed the enabling technology for convenient, affordable information appliances. Leveraging its processor, mixed signal and analog expertise, National is developing total system solutions that provide the necessary power, connectivity and human interfaces to drive the emerging information appliance market. The company is focused on market opportunities in four key segments of the IA market

- Set-top boxes
- Personal Access Devices (PADs)
- Residential gateways
- Thin clients

National holds all the pieces to develop total system solutions for the IA market

- Integrated x86 processors
- A/D converters
- Hardware monitors
- Op amps
- Power management
- Ethernet and wireless

Advantages of Using Geode™ Technology

- Highly integrated x86 solution to reduce cost, power and size
- Most optimal x86 solution for information access devices
 - Optimal performance
 - Low power consumption
 - Low cost solution
- A proven platform
- World class technical support

System-On-A-Chip

- Reduces system cost
- Improves reliability and performance
- Enables smaller form factors
- Lowers power consumption

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